

Application No. 10/630,047
Applicant: JACOBS, Eugene A.
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Examiner: Jiping Lu
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IN THE CLAIMS:

Please amend Claims 1-4. Please cancel Claim 5. The status of Applicant's claims appear as follows:

1. (amended) A ~~heat reclaimer~~ cooking heat absorber for reclaiming and removing heat radiated from a cooking surface and from a flue riser in surface cooking equipment, comprising:
 - a radiator assembly for absorbing radiated heat comprising;
 - a front panel, a back panel and sides joined to define an inside space;
 - one or more walls extending from said front panel to said back panel and defining an elongated chamber within said inside space;
 - a radiator inlet, for allowing fluid to enter, and a radiator outlet, for allowing fluid to exit, both connected to said radiator assembly and in fluid communication with said chamber;
 - a tank assembly for holding fluid and for circulating said fluid to and from said radiator assembly comprising;
 - a rigid watertight container;
 - a first outlet to said container for connection by a fluid carrying conduit means to a continuous pressurized water supply and to said radiator inlet;
 - an inlet to said container for connection by fluid carrying conduit means to said radiator outlet for forming a fluid circuit;

- a second outlet from said container for connection by fluid carrying conduit to a water heater supplying water to said water heater;
- a circulating pump operably connected to said fluid circuit for urging a fluid through said circuit;
- energizing means operably connected to said circulating pump for energizing said circulating pump.

2. (amended) The ~~heat reclaimer~~ cooking heat absorber of Claim 1, wherein said elongated chamber is relatively narrow, of circuitous shape, and positioned such that said radiator inlet and said radiator outlet are located at extreme opposite ends of said chamber for causing fluid entering through said radiator inlet to traverse the length of said chamber before exiting through said radiator outlet.

3. (amended) The ~~heat reclaimer~~ cooking heat absorber of Claim 1, wherein said energizing means include means for variably energizing said circulating pump for controllably moderating the rate of fluid flow through said fluid circuit.

4. (amended) The ~~heat reclaimer~~ cooking heat absorber of Claim 1, further comprising:

- a first thermometer attached to said container and having visible readout means and a probe communicating with the inside of said container, for measuring and displaying the temperature of said fluid;
- a second thermometer attached to said fluid carrying conduit forming a part of said fluid circuit and having visible readout means and a probe communicating with the inside of

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said fluid circuit, for measuring and displaying the temperature of said fluid;

- a pressure/temperature relief valve means connected to said container, in fluid

communication with the inside of said container for releasing pressure in excess of a predetermined value, from said container.

5. (cancelled)